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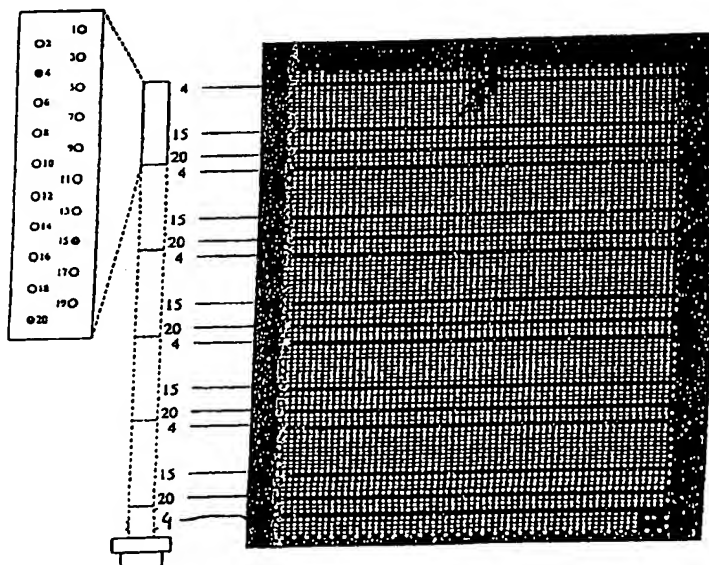
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(54) Title: METHODS TO ASSESS QUALITY OF MICROARRAYS



(57) Abstract: The present invention relates to methods and compositions for assessing the quality of microarrays. In particular, the invention relates to the use of quality control probes that are synthesized on the microarray monomer by monomer in a step-by-step synthesis. By assessing the degree of signal from the quality control probes and determining their deviation from expected signal intensities, the quality of microarray synthesis can be ascertained. The invention further relates to a method of detecting defects occurring during storage or processing of the microarray. The invention further relates to a method of using a computer to identify microarrays that have had a defect or defects during synthesis, storage, or processing.

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